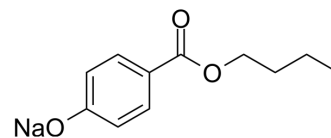


## Butylparaben sodium

Cat. No.:	HY-B1431A
CAS No.:	36457-20-2
Molecular Formula:	C <sub>11</sub> H <sub>13</sub> NaO <sub>3</sub>
Molecular Weight:	216.21
Target:	DNA/RNA Synthesis; Bacterial
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Butylparaben sodium strongly influences the later stages of the spermatogenesis in the testis through the deterioration of hormonal control and/or RNA and protein synthesis <sup>[1]</sup> .
In Vitro	Butylparaben (0-500 μM, 44 h) inhibits oricine fertilization, cleavage, and blastocyst formation rates <sup>[3]</sup> . Butylparaben induces DNA Damage, apoptosis, and autophagy in porcine oocytes <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Butylparaben sodium (0-50 mg/kg/day, s.c., for 13 weeks) has not systemic toxicity in rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- SSRN. 2023 Aug 10.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Shinshi Oishi, et al. Effects of butyl paraben on the male reproductive system in mice. Arch Toxicol. 2002 Jul;76(7):423-9.
- [2]. Bae JS, et al. Thirteen-week subcutaneous repeated dose toxicity study of butylparaben and its toxicokinetics in rats. Arch Toxicol. 2021 Jun;95(6):2037-2050.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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